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STATE OF DELAWARE  
DEPARTMENT OF NATURAL RESOURCES  
AND ENVIRONMENTAL CONTROL  
DIVISION OF AIR AND WASTE MANAGEMENT  
715 GRANTHAM LANE

WASTE MANAGEMENT SECTION  
SUPERFUND BRANCH

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March 26, 1993

Mr. Eric Newman (3HW42)  
U.S. EPA, Region III  
841 Chestnut Building  
Philadelphia, Pennsylvania 19107

Re: ARARs for Delaware Sand and Gravel Superfund Site

Dear Eric:

Enclosed is a draft list of ARARs for the Delaware Sand and Gravel Superfund site.

This list is intended to serve as a starting point in an effort to assemble a complete list of ARARs.

I'm looking forward to reviewing your list of both Federal and State ARARs.

Sincerely,

*John Gysling*  
John Gysling, P.E.  
Environmental Engineer  
Superfund Branch

JG:mcb  
JJG93029.DSG

Enclosure

pc: N.V. Raman

*Delaware's good nature depends on you.* AR304298

APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS (ARARS)  
DELAWARE SAND & GRAVEL SUPERFUND SITE  
DRUM DISPOSAL AND RIDGE AREAS

I. CHEMICAL SPECIFIC

A. Water

1. State of DE- Regulations Governing Drinking Water Standards,  
Revised 5/89

Authority: 16 Delaware Code Part 122

Relevant and Appropriate:

-applicable to ongoing pump and treat operations at Army  
Creek, which is capturing ground water from DS&G.

B. Air

1. State of DE- Delaware Regulations Governing Control of Air  
Pollution

Authority: 7 Delaware Code Chapter 60

Applicable:

-establishes ambient air quality standards

-applicable to off-gases generated as a byproduct of soil  
vapor extraction.

II. LOCATION SPECIFIC

No state ARARS are location specific.

III. ACTION SPECIFIC

A. Water

1. State of DE- Regulations Governing the Construction of Water  
Wells

Authority: 7 Delaware Code Chapter 60

Applicable:

-contains requirements governing the location, design,  
installation, use, disinfection, modification, repair, and  
abandonment of all wells and associated pumping equipment.

-applicable to locating monitoring wells

2. State of DE- Regulations for Licensing Water Well Contractors

Authority: 7 Delaware Code Chapter 60

Applicable:

-regulations for examining and licensing those persons engaged  
in the contracting for the drilling, boring, coring, driving,  
digging, construction, installation, removal or repair of  
water wells or water test wells or the installation or removal  
of pumping equipment in and for a water well or water test  
well.

-applicable for installation, removal or repair of water or  
water test well and their associated pumping.

3. State of DE- Regulations Governing the Control of Water  
Pollution, amended June 23, 1983.

AR304299

Authority: 7 Delaware Code Chapter 60

Applicable:

- contains water quality regulations for discharge into surface and ground water of the State of Delaware
- applicable to storm water runoff contacting contaminated soil and flowing into Army Creek or other water course.

B. Sediments/Solids

1. State of DE-Delaware Sediment and Storm Water Regulations, January 1991.

Authority: 7 Delaware Code Chapter 40

Applicable:

- contains requirements for erosion and sediment control
- applicable to construction projects that disturb more than 5,000 square feet of land.

2. State of DE-Regulations Governing Hazardous Waste

Authority: 7 Delaware Code Chapter 63

a. Identification and Listing of Hazardous Wastes, D.R.G.H.W. Part 261.

b. Standards Applicable to Generators of Hazardous Waste, D.R.G.H.W. Part 262.

c. Standards Applicable to Transporters of Hazardous Waste, D.R.G.H.W. Part 263.

d. Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, D.R.G.H.W. Part 264.

e. Land Disposal Restriction, D.R.G.H.W. Part 268

f. The Hazardous Waste Permit Program, D.R.G.H.W. Part 122

3. State of DE-Regulations Governing Solid Waste

Authority: 7 Delaware Code Chapter 60

Applicable:

- applicable to solid waste found or generated at the site

C. Air

1. State of DE-Delaware Regulations Governing the Control of Air Pollution

Authority: 7 Delaware Code Chapter 60

a. Regulation 2

Applicable:

- requires a permit if air emissions exceed 10 lbs/day.
- requires that air emissions shall not create a condition of air pollution.

b. Regulation 19

AR304300

**Applicable**

-establishes criteria for the control of odorous compounds.

**c. Regulation 24****Applicable:**

-sets forth conditions of permit for volatile organic compounds emissions from applicable sources depending upon emission rate of same.

**2. Policy****To be considered:**

-requires permit to operate an air stripper if air emissions exceed 2.4 lbs/day.

**D. Miscellaneous****1. State of DE-Delaware Environmental Protection Act**

Authority: 7 Delaware Code Chapter 60

**To be considered:**

-Policy for the development, utilization and control of all underwater, land and air resources of the State of Delaware.  
-applicable to proposed remedial actions.

**2. State of DE-Delaware Coastal Zone Management Program Policies**

Authority: 7 Delaware Code Chapter 60 and the Federal Coastal Zone Management Act, 115 CFR 930.

**To be considered:**

-establishes policies related to wetlands, beach, coastal waters, underwater lands, coastal strip, public lands, natural areas, flood hazard management, woodlands, agricultural lands, historic and cultural, living resources, mineral resource, state and coastal recreation and conservation lands, development, general public investment policies etc.

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